METHOD AND DE-INTERLACING APPARATUS THAT EMPLOYS
RECURSIVELY GENERATED MOTION HISTORY MAPS

ABSTRACT OF THE DISCLOSURE

[0055]   A de-interlacer includes recursive motion history map generating

circuitry operative to determine a motion value associated with one or more pixels in

interlaced fields based on pixel intensity information from at least two neighboring

same polarity fields. The recursive motion history map generating circuitry generates

a motion history map containing recursively generated motion history values for use

in de-interlacing interlaced fields wherein the recursively generated motion history

values are based, at least in part, on a decay function.